

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Amended) A method of manufacturing a grid structure with regions exhibiting different X-ray related properties, wherein the method comprises the steps of:


extruding material strips exhibiting different X-ray transmissivities ~~properties~~ so as to form the regions of said grid structure, wherein said regions alternate between materials having high X-ray transmissivity and materials having low X-ray transmissivity; and

allowing at least one of the extruded material strips to expand in at least one direction such that at least one dimension of the at least one of the extruded material strips prior to extrusion is restored.
2. (Original) A method as claimed in claim 1, characterized in that the material strips are co-extruded.
3. (Original) A method as claimed in claim 1 or 2, where the grid structure is an X-ray scatter grid with successive regions having different X-ray absorption coefficients, characterized in that material strips exhibiting a different X-ray absorption behavior are used.

4. (Original) A method as claimed in claim 3, characterized in that two different material strips are fed to the entrance of a device for multiplying material strips, said material strips being divided a number of times during their travel through the device and being arranged in layers, thus forming an assembly of alternating material strips.

5. (Original) A method as claimed in claim 4, characterized in that the assembly formed is subjected to a deformation in a direction transverse to a propagation direction of the material strips in said device and that the assembly is subsequently subjected to a re-conversion into a flat assembly thus comprising alternating regions of the material strips, where the neighboring alternating regions remain in an inclined position relative to one another and focused to a centerline of the assembly.

6. (Amended) An examination apparatus (1) for irradiating an object (4) by means of X-rays (3), the examination apparatus (1) comprising an X-ray source (2), an X-ray detector (8), a receiving space (5) for the object (4) to be irradiated, arranged between the X-ray source (2) and the X-ray detector (8) and an X-ray scatter grid (6) with successive regions of different X-ray absorptivity (3), said X-ray scatter grid to be arranged between the object (4) and the X-ray detector (8), said X-ray scatter grid is manufactured by a method comprising the steps of: extruding material strips exhibiting different X-ray transmissivities ~~properties~~ so as to form the regions of said grid structure, wherein said regions alternate between materials having high X-ray transmissivity and materials

 having low X-ray transmissivity; and allowing at least one of the extruded material strips to expand in at least one direction such that at least one dimension of the at least one of the extruded material strips prior to extrusion is restored.

7. (Previously Added) A method as claimed in claim 1, characterized in that the extruded material strips travel in opposite directions
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